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Figure 2

Table 2. Glycosylations Using Glycosyl Phosphates and Trimethylsilyltriflate.a

Entry	Glycosyl Donor	Glycosyl Acceptor	Product	Yield
1	OBn BnO O O BnO PivO <sub>2β</sub> OBu	9 +0	OBn BnO PivO O 13	94
2	2β	BnO ON ON	OBn BnO BnO OMe MeBnO PivO 14	83
3	OTIPS BnO O O BnO PivO OBu 5β	9	OTIPS BnO O O O O O O O O O O O O O O O O O O	82
4	OBn BnO O O BnO TESO OBu 8β	9	OBn BnO HO O 16 O	71
5	2β	HS 11	BnO SEt PivO 17	90
6 <sup>b</sup>	OBn BnO PivO O 2α O-P-OBu OBu	9	13	87
7 <sup>b</sup>	2α	10	14	73
8 <sup>b</sup>	<b>2</b> α	11	17	70

<sup>&</sup>lt;sup>a</sup>Glycosylations were carried out with 1.2 equiv donor, 1.0 equiv acceptor and 1.2 equiv TMSOTf in dichloromethane at -78°C. <sup>b</sup>Reaction was carried out at -20°C.

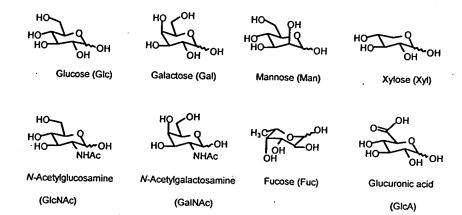




Figure 3

med die in ten

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HO OH OH
ACHN OH COOH

N-Acetylneuraminic acid Sialic acid (NANA)



Figure 4



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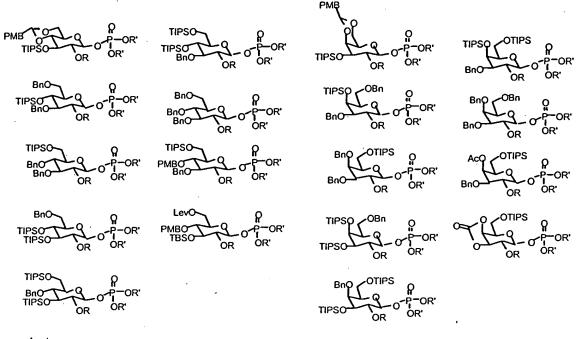
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## Figure 6

<u>Glucose</u>

<u>e</u> <u>Galactose</u>

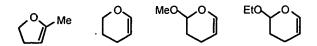


Lactose

Figure 7

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The Hand Her Karel Her Her will film Her Here Here Hand Hand Her



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## Figure 8

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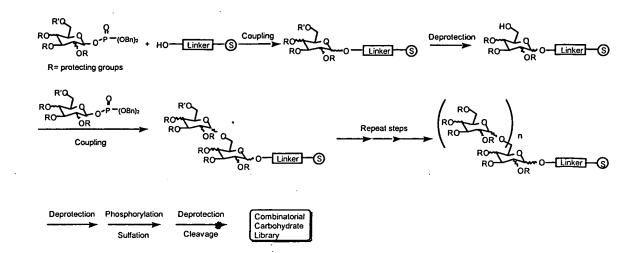






Figure 9

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